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a second step of synthesizing a single-stranded DNA population from said population of poly(A)+ RNA wherein a reverse transcriptase, dNTPs and a first buffer are added to the single reaction vessel to synthesize said single-stranded DNA population;

a third step of synthesizing a population of double-stranded DNA from said single-stranded DNA population wherein a second buffer and a four enzyme-mix comprising a DNA polymerase are added to said single reaction vessel to synthesize said double-stranded cDNA; and

a fourth step of synthesizing multiple copies of RNA from said double-stranded DNA population, wherein an RNA polymerase and a third buffer are added to said single reaction vessel to synthesize said multiple copies of RNA.

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20. The method of claim 1, wherein at least one step of synthesizing comprises the use of an automated machine.

#### REMARKS

Claims 1, 3-13, 20-21, 25 and 26 are currently pending in the application.

Support for the amendments to claim 1 is found throughout the specification and is particularly found at page 13, line 11 through page 14, line 24 and in Figure 1.

Specifically, claim 1 recites the amplification of a population of poly(A)+ RNA by a first step of annealing a primer comprising oligo-dT to poly(A)+ RNA (further support for this amendment may be found in the specification at page 8, lines 10-12), a second step of synthesizing single-stranded DNA from the population of poly(A)+ RNA in a first buffer (additional support for this amendment may be found at page 13 lines 21-25); a third step of synthesizing a population of double stranded DNA from the single stranded DNA population in a second buffer and with the addition of enzymes (additional support for this amendment may be found at page 13 lines 28 and page 14 lines 4-7 and 8-14); and a fourth step of synthesizing multiple copies of RNA from the double-stranded DNA population in a third buffer and with the addition of enzymes (additional support for this amendment may be found at page 14 line 20). Subsequent steps are initiated by the addition of one or more enzymes and the appropriate reagents and buffers, resulting in different buffer conditions at each step. All of the steps are completed in a single